

Please amend the paragraph beginning at page 8, line 14, as follows:

The present invention provides a gas diffusion electrode assembly comprising a plurality of gas diffusion electrodes, wherein a bonding piece having on at least one surface a perfluorosulfonic acid layer, a perfluorosulfonyl fluoride layer or an ~~alky~~ alkyl ester of perfluorocarboxylic acid layer is placed at said perfluoro compound layer surface with respect to adjacent gas diffusion electrodes to bond said adjacent gas diffusion electrodes together by heat fusion bonding.

Please amend the paragraph beginning at page 8, line 23, as follows:

The invention provides a bonding method for a gas diffusion electrode assembly comprising a plurality of gas diffusion electrodes, wherein a bonding piece having on at least one surface a perfluorosulfonic acid layer, a perfluorosulfonyl fluoride layer or an ~~alky~~ alkyl ester of perfluorocarboxylic acid layer is placed at said perfluoro compound layer surface with respect to both adjacent gas diffusion electrodes to bond the respective gas diffusion electrodes to said bonding piece by heat fusion bonding.

Please amend the paragraph beginning at page 10, line 2, as follows:

The invention provides an electrolyzer comprising a gas diffusion electrode assembly, wherein the periphery of an electrode surface opposite to the opposite polarity side of said gas diffusion electrode assembly is airtightly bonded to a frame form of bonding member, the surface of a junction of at least a bonding frame of said frame form of bonding member with said gas diffusion electrode assembly is provided with a perfluorosulfonic acid layer, a

perfluorosulfonyl fluoride layer or an ~~alky~~ alkyl ester of perfluorocarboxylic acid layer, and the periphery of said frame form of bonding member is stacked thereon via a gasket.

Please amend the paragraph beginning at page 12, line 12, as follows:

According to the gas diffusion electrode assembly of the invention, it is found that a junction of high strength can be obtained by heat fusion bonding of a bonding piece having on at least one surface a perfluorosulfonic acid layer, a perfluorosulfonyl fluoride layer or an ~~alky~~ alkyl ester of perfluorocarboxylic acid layer to a gas diffusion electrode formed of a fluororesin-containing composition at its perfluoro compound surface.

Please amend the paragraph beginning at page 12, line 20, as follows:

Thus, the surface of the perfluorosulfonic acid layer, the perfluorosulfonyl fluoride layer or the ~~alky~~ alkyl ester of perfluorocarboxylic acid layer has good affinity for the fluororesin composition, and can yield a tough junction by heat fusion bonding, thereby ensuring stable performance even after attached to an electrolyzer.

Please amend the paragraph beginning at page 13, line 4, as follows:

In general, a gas diffusion electrode formed of fluororesins and electrically conductive substances such as carbon black is less adhesive to other substance. However, if the electrode is bonded at its periphery to a bonding frame comprising a frame-form member having on at least one surface a perfluorosulfonic acid layer, a perfluorosulfonyl fluoride layer or an ~~alky~~ alkyl ester of perfluorocarboxylic acid layer, then the junction of the bonding frame with the gas

diffusion electrode can be well protected against leakage. The bonding frame with gas diffusion electrodes bonded thereto is formed of a synthetic resin, and so when such bonding frames are stacked one upon another via gaskets to set up an electrolyzer, there is no leakage through the stacking because the bonding frames are in good contact with the gaskets.

Please amend the paragraph beginning at page 13, line 20, as follows:

According to the invention, a bonding frame block comprising a perfluorosulfonic acid layer, a perfluorosulfonyl fluoride layer or an ~~alkyl~~ alkyl ester of perfluorocarboxylic acid layer attached to a frame-form member is heat fusion bonded to the electrode surface of the gas diffusion electrode formed of a fluororesin-containing composition in a face-to-face fashion, so that a junction of high strength and excelling in sealing properties with respect to fluids can be obtained. According to the invention, it is found that an electrolyzer comprising a gas diffusion electrode assembly having a large electrode area can be assembled by providing a frame-form member comprising a plurality of bonding frame blocks and placing a gas diffusion electrode in each bonding frame block.